

Special Issue

Genetics, Molecular Breeding, and Biotechnology for Root and Tuber Crop Improvement, 2nd Edition

Message from the Guest Editors

Root and tuber crops are important foods, industrial materials or medicinal crops. Their yield potential, production, adaptability and quality are potential objectives for breeders worldwide. However, root and tuber crop production still faces numerous challenges. At present, molecular genetics and breeding have been widely studied and achieved significant progress in model plants. Therefore, this Special Issue will include papers mainly focused on the following subjects:

- Regulation of growth and development, tuberization process, nutrient absorption, metabolism, biotic or abiotic stress response and other physiological process of root and tuber crops;
- Dissection of molecular mechanisms for yield or quality traits in root and tuber crops via genetics, omics or informatics strategies;
- Yield or quality improvement and molecular breeding of root and tuber crops using genetic and genomic tools;
- Analysis on the nutritional quality, *metabolic products*, active compounds and medicinal value of root and tuber crops.
- Discussion on root and tuber crop cultivation and production.

Guest Editors

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Dr. Kai Zhang

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Deadline for manuscript submissions

closed (20 October 2024)



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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